RAW SEQUENCE LISTING EFS

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: /0/673, 67/A

Source: /FU/6.

Date Processed by STIC: 3//6/07

ENTERED



IFW16

RAW SEQUENCE LISTING DATE: 03/16/2007
PATENT APPLICATION: US/10/673,671A TIME: 12:31:23

Input Set : N:\efs\03_16_07\10673671a_efs\UTXC561USC1.txt

Output Set: N:\CRF4\03162007\J673671A.raw

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3 <110> APPLICANT: Sastry, K. Jagannadha
              Arlinghaus, Ralph B.
              Nehete, Pramod N.
     7 <120> TITLE OF INVENTION: HIV-SPECIFIC T-CELL INDUCTION
     9 <130> FILE REFERENCE: UTXC:561USC1
     11 <140> CURRENT APPLICATION NUMBER: 10/673,671A
C--> 12 <141> CURRENT FILING DATE: 2003-09-29
     14 <150> PRIOR APPLICATION NUMBER: 60/115,175
     15 <151> PRIOR FILING DATE: 1999-01-08
                                                            see p. 6
     17 <150> PRIOR APPLICATION NUMBER: 60/108,563
     18 <151> PRIOR FILING DATE: 1998-11-16
     20 <160> NUMBER OF SEQ ID NOS: 42
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     26 <212> TYPE: PRT
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    46 <212> TYPE: PRT
    47 <213> ORGANISM: Human immunodeficiency virus type 1
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    55 <211> LENGTH: 12
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DATE: 03/16/2007

TIME: 12:31:23

Input Set : N:\efs\03_16_07\10673671a_efs\UTXC561USC1.txt Output Set: N:\CRF4\03162007\J673671A.raw 66 <212> TYPE: PRT 67 <213> ORGANISM: Human immunodeficiency virus type 1 69 <400> SEQUENCE: 5 70 Leu Trp Asp Glu Ser Leu Lys Pro Cys Val Lys Leu Thr 71 1 10 5 74 <210> SEQ ID NO: 6 75 <211> LENGTH: 13 76 <212> TYPE: PRT 77 <213> ORGANISM: Human immunodeficiency virus type 1 79 <400> SEQUENCE: 6 80 Leu Trp Asp'Gln Ser Leu Lys Pro Cys Val Gln Met Thr 81 84 <210> SEQ ID NO: 7 85 <211> LENGTH: 13 86 <212> TYPE: PRT 87 <213> ORGANISM: Human immunodeficiency virus type 1 89 <220> FEATURE: 90 <221> NAME/KEY: UNSURE 91 <222> LOCATION: (4) 92 <223> OTHER INFORMATION: X = any 94 <400> SEQUENCE: 7 W--> 95 Leu Trp Asp Xaa Ser Leu Lys Pro Cys Val Lys Leu Thr 99 <210> SEQ ID NO: 8 100 <211> LENGTH: 13 101 <212> TYPE: PRT 102 <213 > ORGANISM: Human immunodeficiency virus type 1 104 <400> SEQUENCE: 8 105 Ser Val Ile Thr Gln Ala Cys Ser Lys Val Ser Phe Glu 10 109 <210> SEQ ID NO: 9 110 <211> LENGTH: 13 111 <212> TYPE: PRT 112 <213 > ORGANISM: Human immunodeficiency virus type 1 114 <400> SEQUENCE: 9 115 Ser Ala Ile Thr Gln Ala Cys Ser Lys Val Ser Phe Glu 116 1 5 10 119 <210> SEQ ID NO: 10 120 <211> LENGTH: 13 121 <212> TYPE: PRT 122 <213> ORGANISM: Human immunodeficiency virus type 1 124 <400> SEQUENCE: 10 125 Ser Ala Ile Thr Gln Ala Cys Ser Lys Val Ser Phe Asp 126 1 5 10 129 <210> SEQ ID NO: 11 130 <211> LENGTH: 13 131 <212> TYPE: PRT 132 <213> ORGANISM: Human immunodeficiency virus type 1 134 <400> SEQUENCE: 11

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/673,671A

RAW SEQUENCE LISTING DATE: 03/16/2007 PATENT APPLICATION: US/10/673,671A TIME: 12:31:23

Input Set : N:\efs\03_16_07\10673671a_efs\UTXC561USC1.txt

Output Set: N:\CRF4\03162007\J673671A.raw

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DATE: 03/16/2007

TIME: 12:31:23

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/673,671A

DATE: 03/16/2007

PATENT APPLICATION: US/10/673,671A TIME: 12:31:23 Input Set : N:\efs\03 16 07\10673671a efs\UTXC561USC1.txt Output Set: N:\CRF4\03162007\J673671A.raw 15 272 10 1 W--> 274 Xaa Thr Leu Thr Val Gln Ala Arg Gln 275 20 278 <210> SEQ ID NO: 23 279 <211> LENGTH: 25 280 <212> TYPE: PRT 281 <213> ORGANISM: Human immunodeficiency virus type 1 283 <400> SEQUENCE: 23 284 Ile Phe Gly Phe Leu Gly Ala Ala Gly Ser Thr Met Gly Ala Ala Ser 10 287 Leu Thr Leu Thr Val Gln Ala Arg Gln 288 20 291 <210> SEQ ID NO: 24 292 <211> LENGTH: 25 293 <212> TYPE: PRT 294 <213 > ORGANISM: Human immunodeficiency virus type 1 296 <400> SEQUENCE: 24 297 Phe Leu Gly Phe Leu Gly Ala Ala Gly Ser Thr Met Gly Ala Ala Ala 298 1 5 10 300 Thr Ala Leu Thr Val Gln Ala Arg Gln 301 20 25 304 <210> SEQ ID NO: 25 305 <211> LENGTH: 25 306 <212> TYPE: PRT 307 <213> ORGANISM: Human immunodeficiency virus type 1 309 <220> FEATURE: 310 <221> NAME/KEY: UNSURE 311 <222> LOCATION: (17)..(18) 312 <223> OTHER INFORMATION: X = any314 <400> SEQUENCE: 25 315 Phe Leu Gly Phe Leu Gly Ala Ala Gly Ser Thr Met Gly Ala Ala Ser 316 5 10 1 W--> 318 Xaa Xaa Leu Thr Val Gln Ala Arg Gln 319 20 322 <210> SEQ ID NO: 26 323 <211> LENGTH: 12 324 <212> TYPE: PRT 325 <213 > ORGANISM: Human immunodeficiency virus type 1 327 <400> SEQUENCE: 26 328 Tyr Leu Arg Asp Gln Gln Leu Leu Gly Ile Trp Gly 1 5 10 332 <210> SEO ID NO: 27 333 <211> LENGTH: 12 334 <212> TYPE: PRT 335 <213 > ORGANISM: Human immunodeficiency virus type 1 337 <400> SEQUENCE: 27 338 Tyr Leu Lys Asp Gln Gln Leu Leu Gly Ile Trp Gly 339 1 5

RAW SEQUENCE LISTING

342 <210> SEQ ID NO: 28

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/673,671A

DATE: 03/16/2007 TIME: 12:31:24

FYI

Input Set : N:\efs\03_16_07\10673671a_efs\UTXC561USC1.txt

Output Set: N:\CRF4\03162007\J673671A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 4
Seq#:14; Xaa Pos. 4
Seq#:15; Xaa Pos. 2
Seq#:19; Xaa Pos. 6
Seq#:22; Xaa Pos. 17
Seq#:25; Xaa Pos. 17,18
Seq#:29; Xaa Pos. 3
Seq#:30; Xaa Pos. 3

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/673,671A

DATE: 03/16/2007 TIME: 12:31:24

Input Set : N:\efs\03_16_07\10673671a_efs\UTXC561USC1.txt

Output Set: N:\CRF4\03162007\J673671A.raw

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L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:16
L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:16
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:378 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0